

Shri Shivaji Science College, Amravati

Name of The Teaching Faculty: **NAGPURE PA**

Department: **PHYSICS**

Total No of Papers Published: 15

Total No of papers in Scopus/ WoS: 10

S.N	Title of paper	Name of the author/s	Name of journal	Details of Publication	Year of publication	ISSN number	Paper Scopus/ WoS indexed (Yes/No)	Direct Link to the Paper from Scopus/ WoS or Journal
1.	Luminescent properties of Dy ³⁺ doped CaWO ₄ and CaMoO ₄ phosphors for optical applications	Sanket S. Korde, Pankaj A. Nagpure , Shruti Dhale, Rujuta Kedar Joshi & Nilesh Ugemuge	Canadian Metallurgical Quarterly	Vol. 65, Issue 1, pages 1-5	2026	0008-4433	Yes	https://doi.org/10.1080/00084433.2026.2619284
2.	Structural Defects and Energy Transfer Dynamics in Acetic Acid Derived Eu ³⁺ /Tb ³⁺ Co-Doped Y ₂ O ₃ Phosphors for Anti-Counterfeiting and Lighting Applications	A. H. Bodke, A. M. Jadhav, N. S. Bajaj, R. G. Korpe, P. A. Nagpure & H. R. Shaikh	Journal of Optics	https://doi.org/10.1007/s12596-026-03055-9	2026	0974-6900	Yes	DOI: 10.1007/s12596-026-03055-9
3.	Effect of Alteration of Precipitating Agents Structural, Optical, and Antibacterial Properties of Y ₂ O ₃ Nanoparticles	A. H. Bodke, N. S. Bajaj, K. S. Pawar, N. S. Gaikwad, R. G. Korpe, P. A. Nagpure	Discover Chemistry	https://doi.org/10.21203/rs.3.rs-8380870/v1	2026	3005-1193	Yes	https://doi.org/10.21203/rs.3.rs-8380870/v1

4.	Sol-gel synthesis and UVB luminescence in Sr ₂ P ₂ O ₇ :Gd, Ce phosphors for phototherapy applications	Nivedita Kherde, Pankaj Nagpure , Shruti Dhale, Supriya Kshetrapal, Nilesh Ugemuge, and Shreeniwas K. Omanwar	International Journal of Modern Physics B	Vol. 39, No. 17, 2550152	2025	0217-9792	Yes	https://doi.org/10.1142/S0217979225501528
5.	Structural and VUV Spectroscopic Properties of Tb ³⁺ Doped CaSO ₄ Phosphor for Lighting and Display	S. R. Jaiswal, C. B. Palan, A. O. Chauha, P. A. Nagpure	International Journal of Scientific Research in Science and Technology	Volume 12, Issue Page Number: 421-426	2025	2395-6011	No	https://doi.org/10.32628/IJSRSI
6.	Bioluminescence Inspired Tracking: A New Frontier in Wildlife Conservation	Bhati U.T., P.S. Joshi and P.A. Nagpure	Ecology Environment and Conservation	Vol.31, July Suppl Issue	2025	0971-765X	No	DOI: 10.53550/EEC.2025.v31i04s.057
7.	High quantum efficiency alternative long wave UV emitting borate phosphors for phototherapy and plant growth	Nivedita Kherde, Rupali Korpe, Pankaj Nagpure and Shrinivas Omanwar	Journal of Technology	VOLUME 12 ISSUE 10, 110-122	2024	1012-3407	Yes	DOI: 18.15001/JOT.2024/V12I10.24.784
8.	Luminescence study of Eu ³⁺ /Eu ²⁺ doped CaF ₂ nanophosphors for optoelectronic applications	Vipul V. Mishra, Shailesh R. Jaiswal, Pankaj A. Nagpur and Satish J. Sharma	Journal of Technology	VOLUME 12 ISSUE 9, 1113-1120	2024	1012-3407	Yes	DOI: 18.15001/JOT.2024/V12I9.24.762
9.	Highly efficient green light emitting K ₂ Sr(Gd, Y)(PO ₄) ₂ : Tb ³⁺ phosphor for Mercury Free Fluorescent Lighting and PDPs	S R Jaiswal, R G Korpe, Pankaj Nagpure	J. Electrical Systems	Vol-Issue (2024): 1-12, 925-935.	2024	1112-5209	No	https://www.researchgate.net/publication/403581493
10.	Synthesis and PL study of Sr ₃ (VO ₄) ₂ :Eu ³⁺ phosphor for W- LED application	Nagpure P.A. Kherde N.D. Barde W.S.	St. Petersburg State Polytechnical University Journal. Physics and Mathematics	Volume: 16 Issue: 2	2024	2304-9782	Yes	https://doi.org/10.18721/JPM.16205

11.	Vacuum Ultraviolet Spectroscopic Properties in Gd ³⁺ -Eu ³⁺ Ions Pair Doped MYF4 (M= Li, Na, and K)	S. R. Jaiswal, U. T. Bhati, P.A. Nagpure and S. K. Omanwar	Journal of Physics: Conference Series	2576-012005	2023	1742-6596	Yes	DOI: 10.1088/1742-6596/2576/1/012005
12.	Synthesis and VUV Spectral Properties of Red-Emitting K ₂ Gd _{0.97} Zr(PO ₄) ₃ :3mol%Eu ³⁺ Phosphor via Down-Conversion	Shailesh R. Jaiswal, Pankaj A. Nagpure , Shreeniwas K. Omanwar	Advanced Materials Research	Volume 1177 Pages: 101-108	2023	1662-8985	Yes	https://www.scientific.net/AMR.1177.101
13.	The Highly Efficient Inorganic SrF ₂ : Gd ³⁺ , Eu ³⁺ Phosphor for Mercury Free Fluorescence Lamps	Shailesh R. Jaiswal, Niraj S. Sawala, Pankaj A. Nagpure, Waman S. Barde, Shreeniwas K. Omanwar	Advanced Materials Research	Volume 1171 Pages: 17-24	2022	1662-8985	Yes	https://www.scientific.net/AMR.1171.17
14.	VUV Photoluminescence properties of quantum harvester GdPO ₄ : Tb ³⁺	S. R. Jaiswal, N. S. Sawala, P. A. Nagpure , S. K. Omanwar	Journal of Emerging Technologies and Innovative Research	Volume 9, Issue 5	2022	2349-5162	No	https://www.rts.edu.in/wp-content/uploads/2022/07/38-Paper-Mr.-Jaiswal-2021-22.pdf
15.	Synthesis and characterization of LiBaB ₉ O ₁₅ Gd ³⁺ phosphor by recrystallization method	N. D. Kherde, A. O. Chauhan, P. A. Nagpure , S. K. Omanwar	Int Journal of Scientific Research in Science & Technology	Vol. 9 No. 13	2022	2395-6011	No	https://ijsrst.com/IJSRST22291325